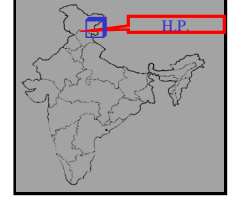


CHAMERA DAM SPILLWAY STAGE - II HIMACHAL PRADESH



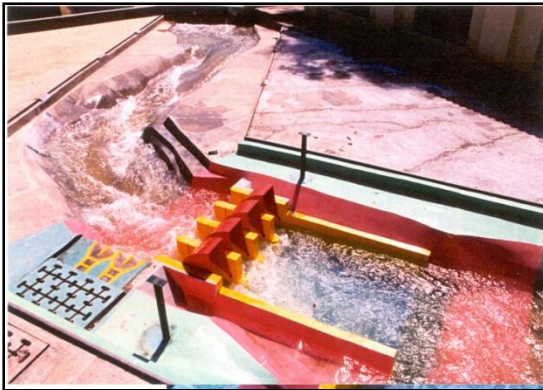
SALIENT FEATURES

Location	: Chamba District , Himachal Pradesh
River	: Ravi
Power Generation	: 300 MW
Maximum Discharge	: 9000 m ³ /s
Type of dam	: Concrete Gravity Dam Height 39 m
Spillway	: 4 Spans of 15.0 m wide separated by 6 m thick piers
Radial Gates	: 21.5 m (H) 15.0 m (W)
Energy dissipator	: Stilling Basin

MAJOR STUDIES

Comprehensive model scale 1: 55 and Sectional model 1:40

- ☺ Approach flow conditions upstream of spillway and power intake
- ☺ Assessment of discharging capacity & pressures on spillway
- ☺ Performance of stilling Basin
- ☺ Alignment of Power Intake



BENEFITS

- 📄 Orientation of dam axis for approach flow conditions
- 📄 Modifications in spillway profile for improvement in coefficient of discharge
- 📄 Optimised design of stilling basin from the considerations of dissipation of energy and flushing of silt
- 📄 Alignment and layout of power intake revised for tranquil flow conditions
- 📄 Dressing of hill on upstream for better approach flow conditions